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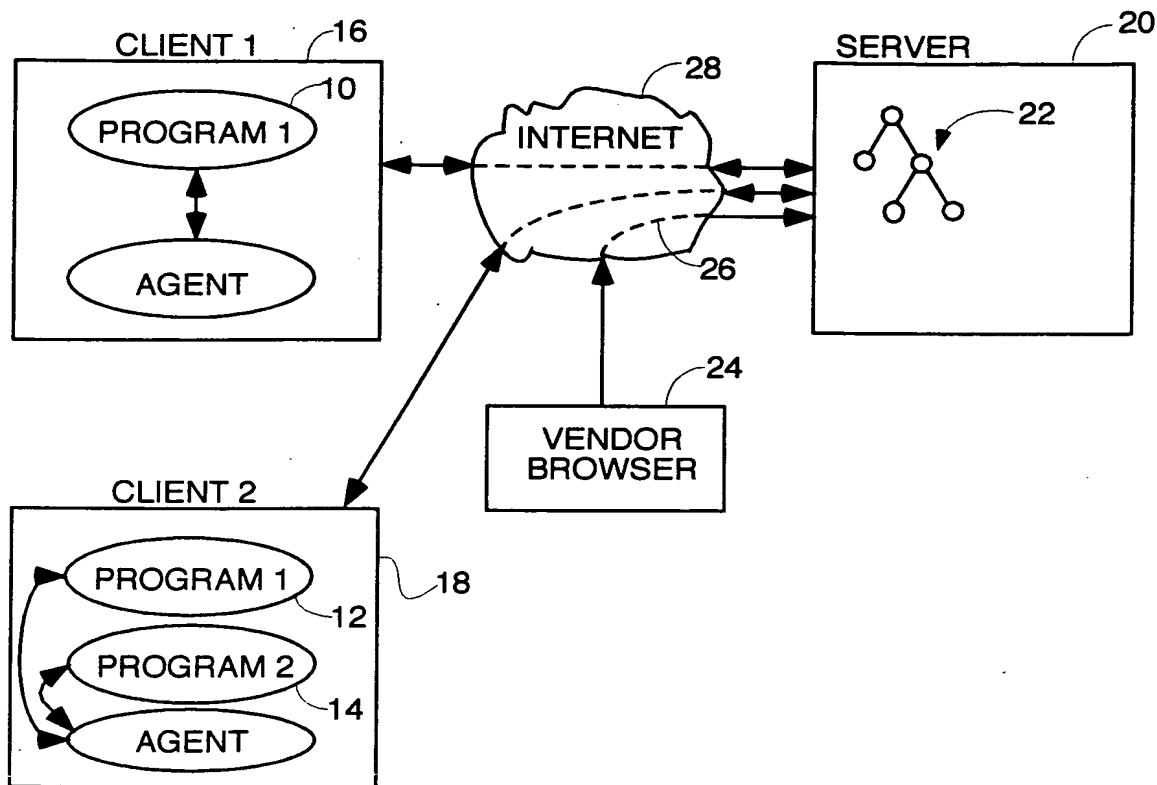


FIG. 1



FIG. 2

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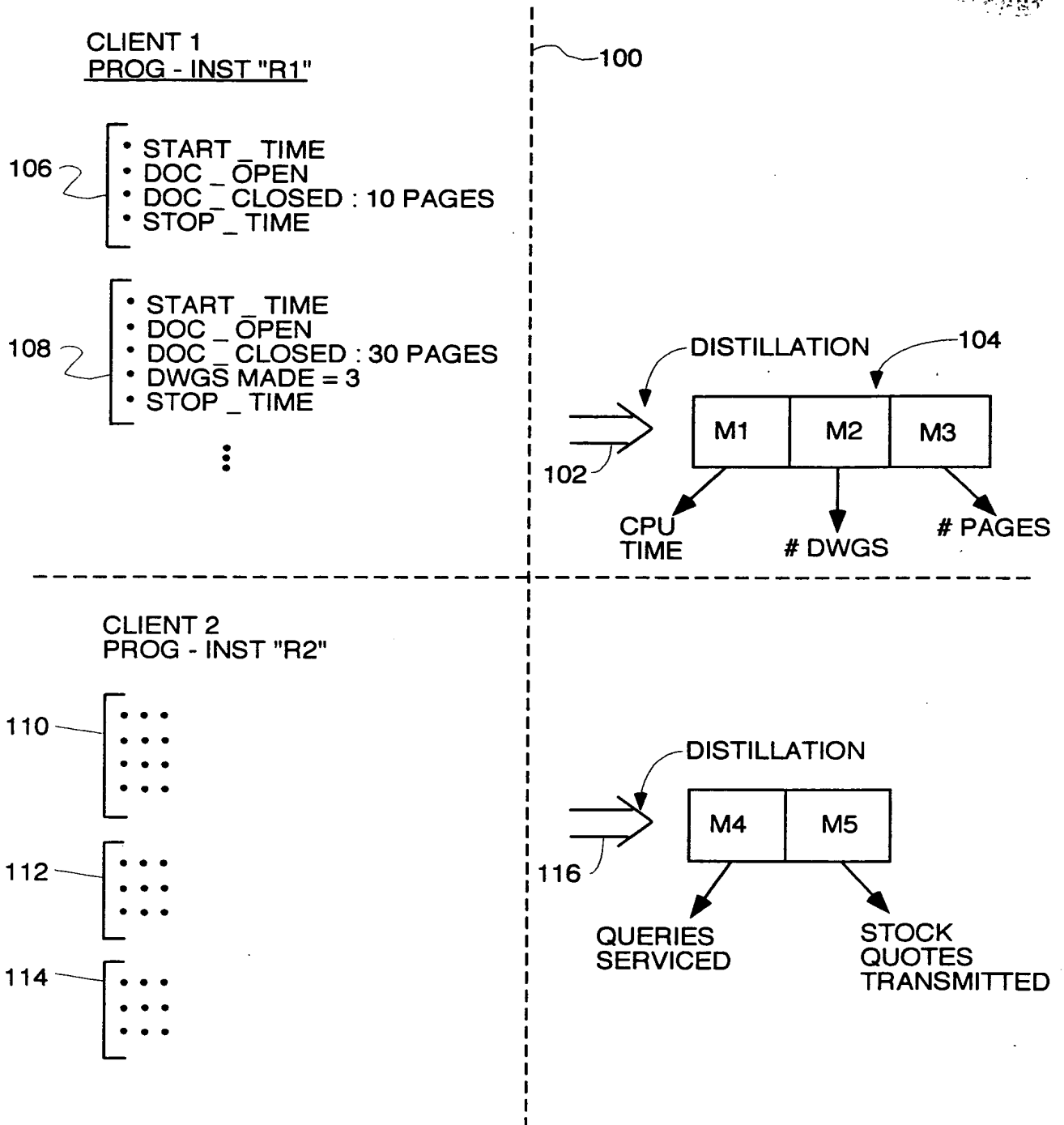


FIG. 3

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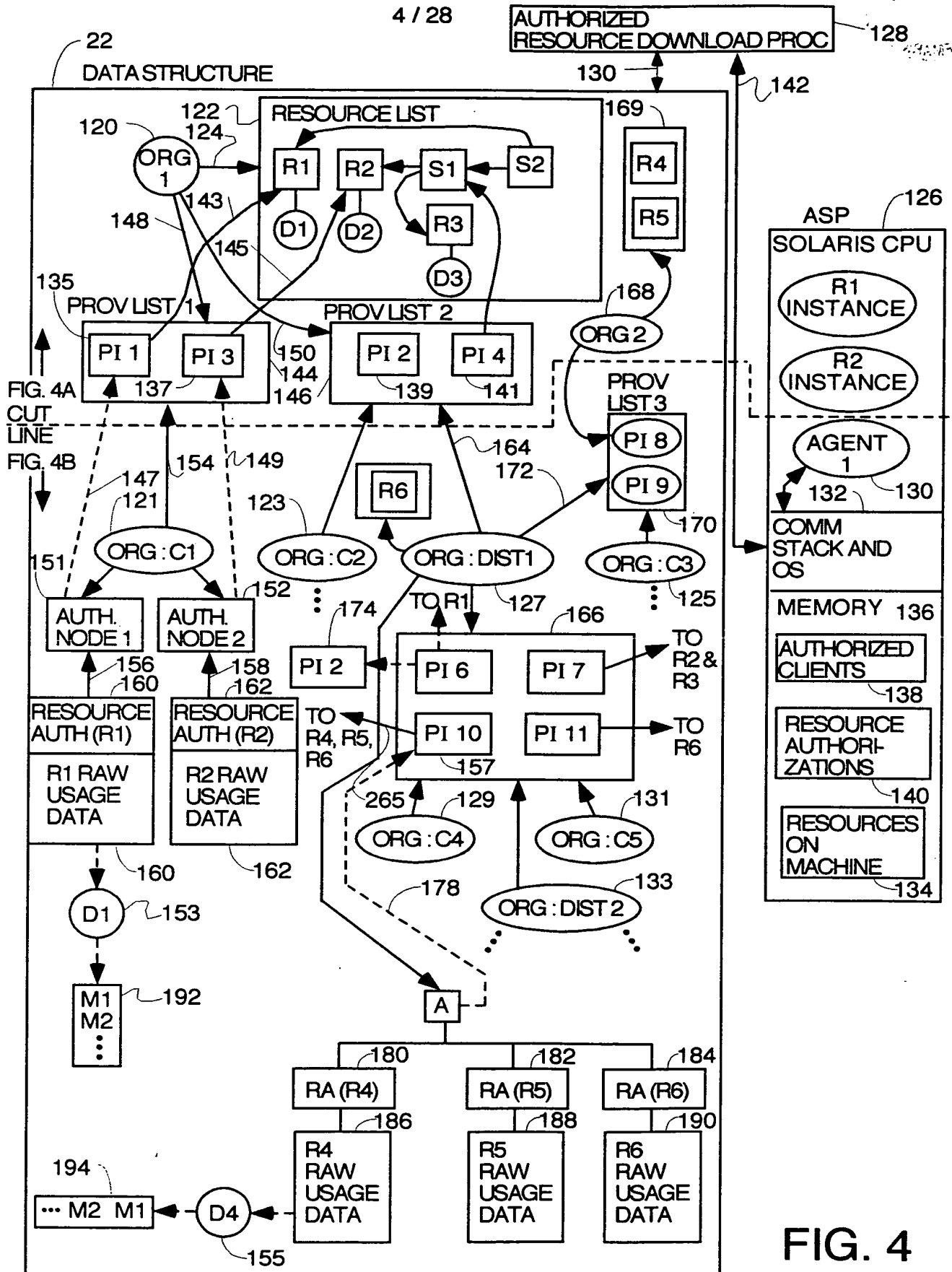


FIG. 4

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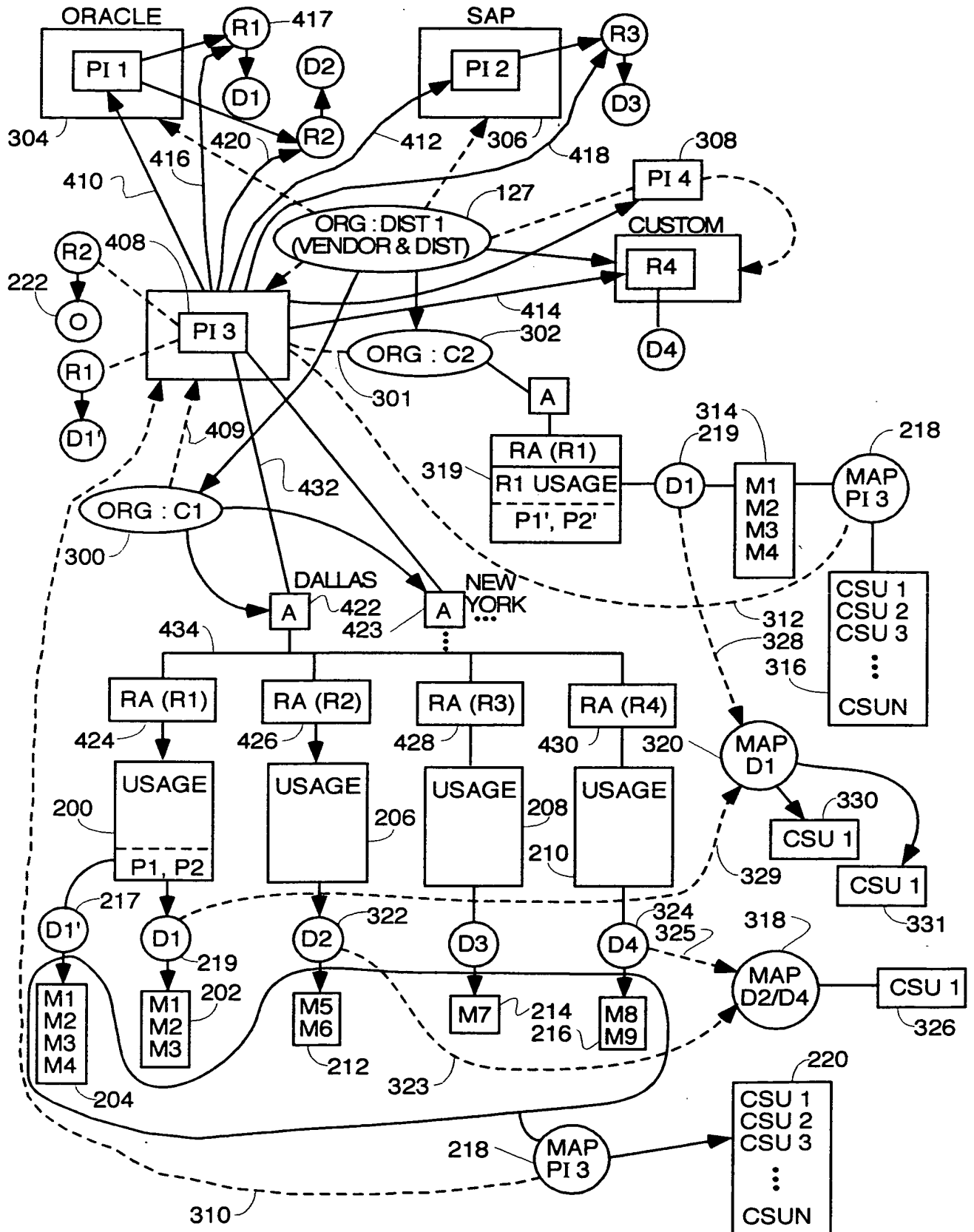


FIG. 5

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OVERALL PROCESS TO DISTILL RAW USAGE DATA TO METRIC DATA
BY A PROGRAMMABLE MAPPING

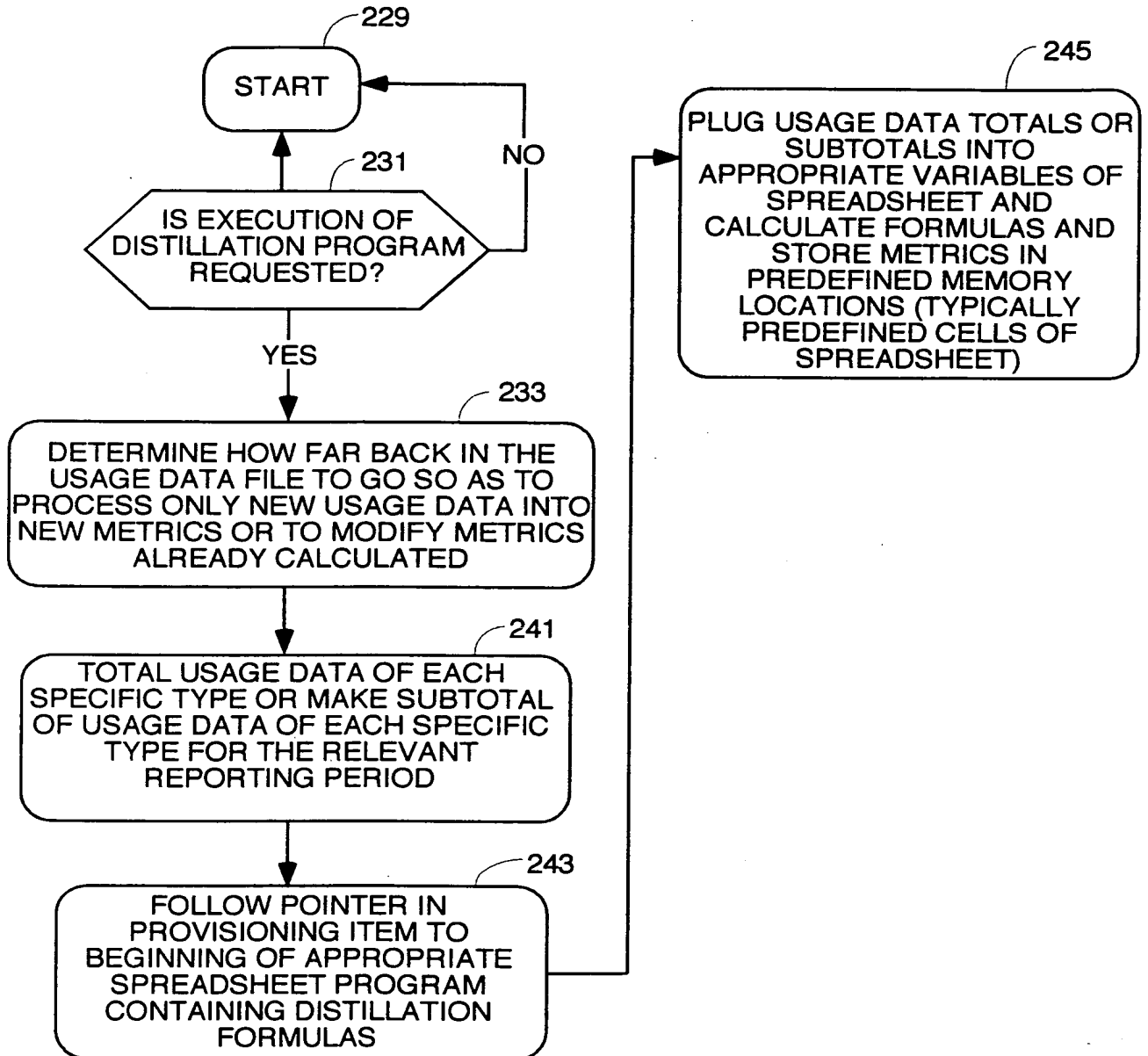


FIG. 6A

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OVERALL PROCESS TO DISTILL RAW USAGE DATA TO METRIC DATA
BY A PROGRAMMABLE MAPPING USING A PROGRAMMABLE DISTILLATION PGM

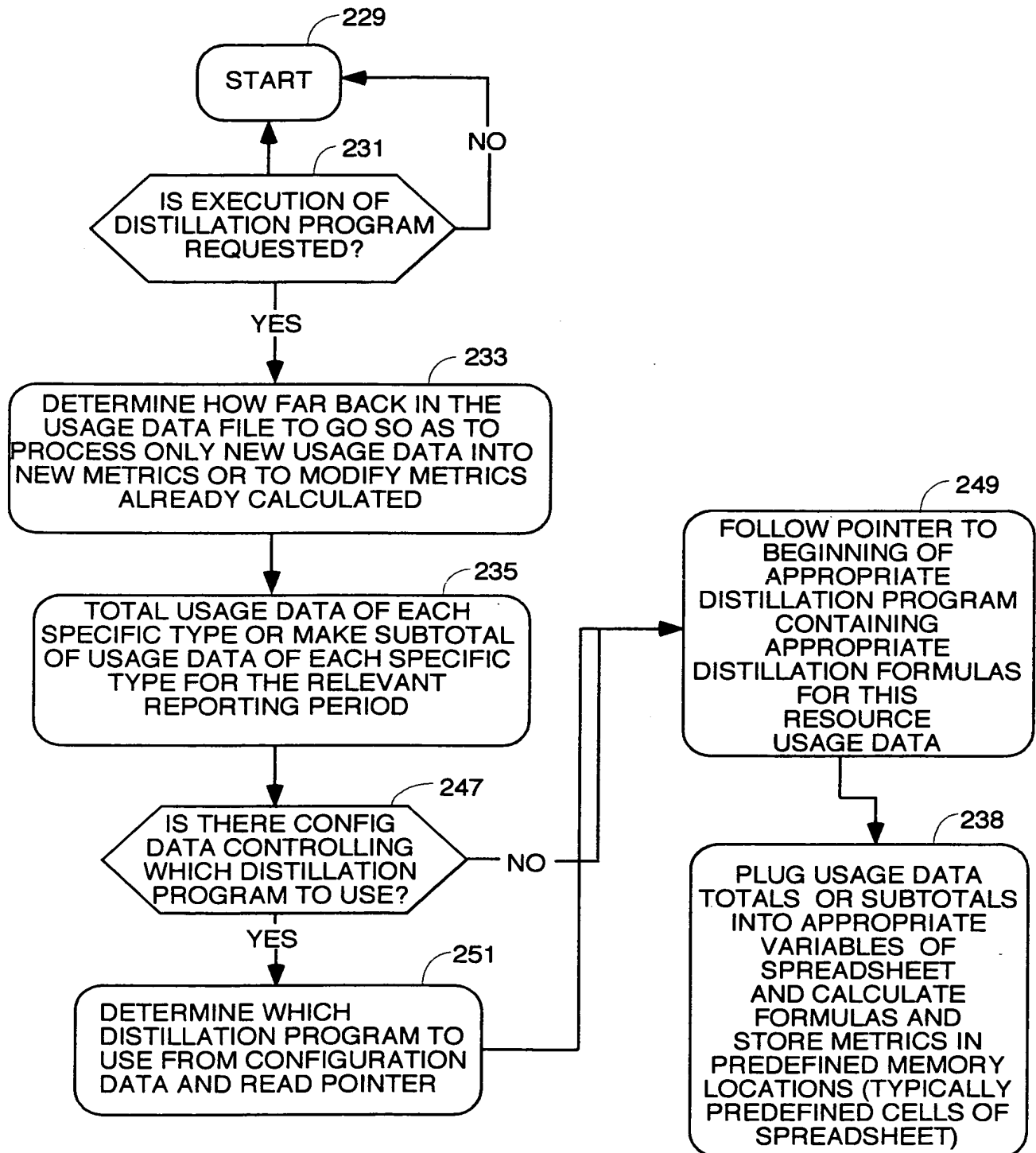


FIG. 6B

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PROCESS TO PROGRAMMABLY DISTILL RAW USAGE DATA TO METRICS AND
PROGRAMMABLY DISTILL THE METRICS INTO CENTRAL SERVICE UNITS
OF THE CUSTOMER'S DESIGN

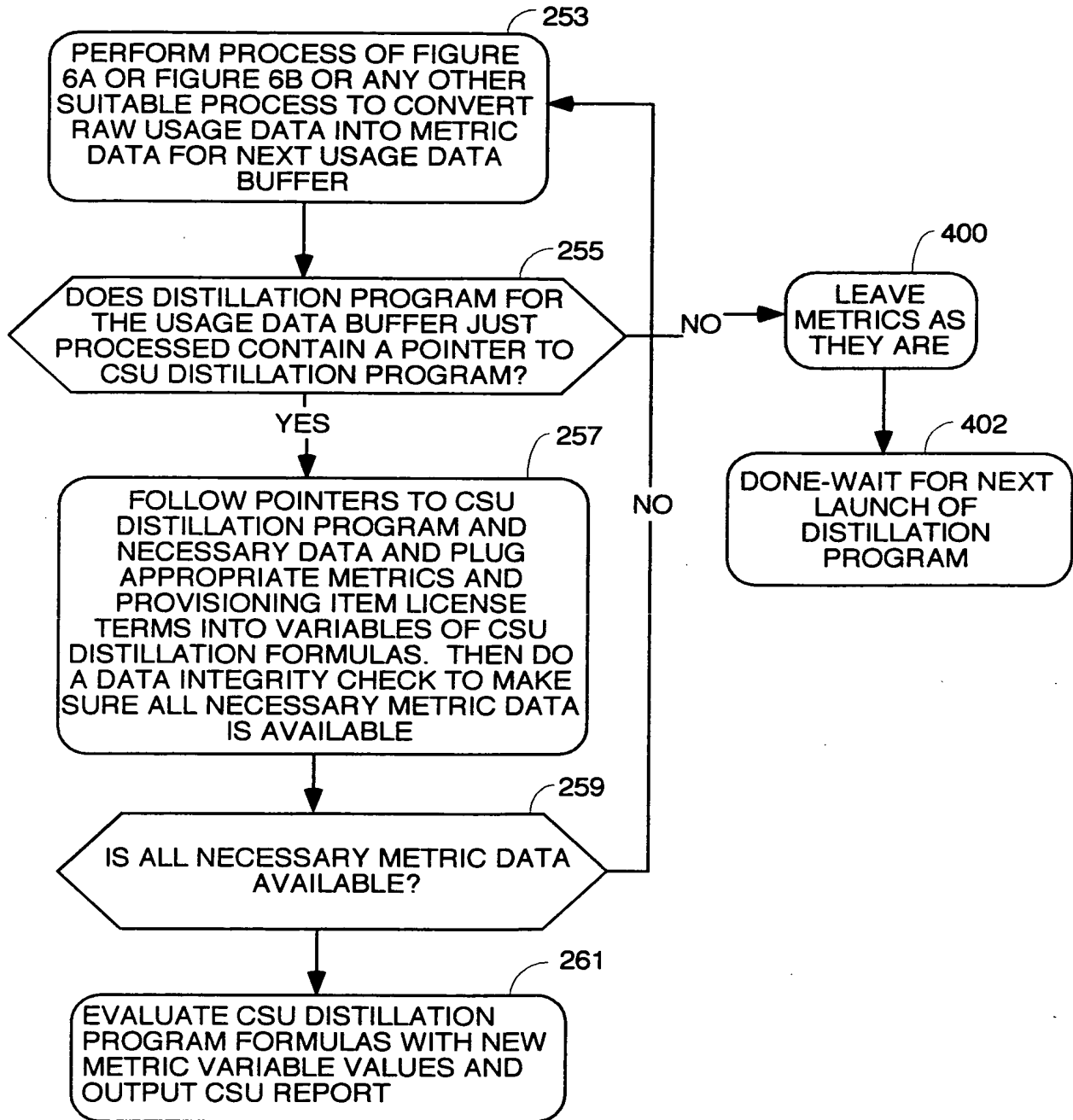


FIG. 7

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OVERALL PROCESS TO COLLECT RAW USAGE DATA IN A CENTRAL SERVER
AND USE IT TO PREPARE METRICS AND PREPARE INVOICES OR REPORTS
THEREFROM

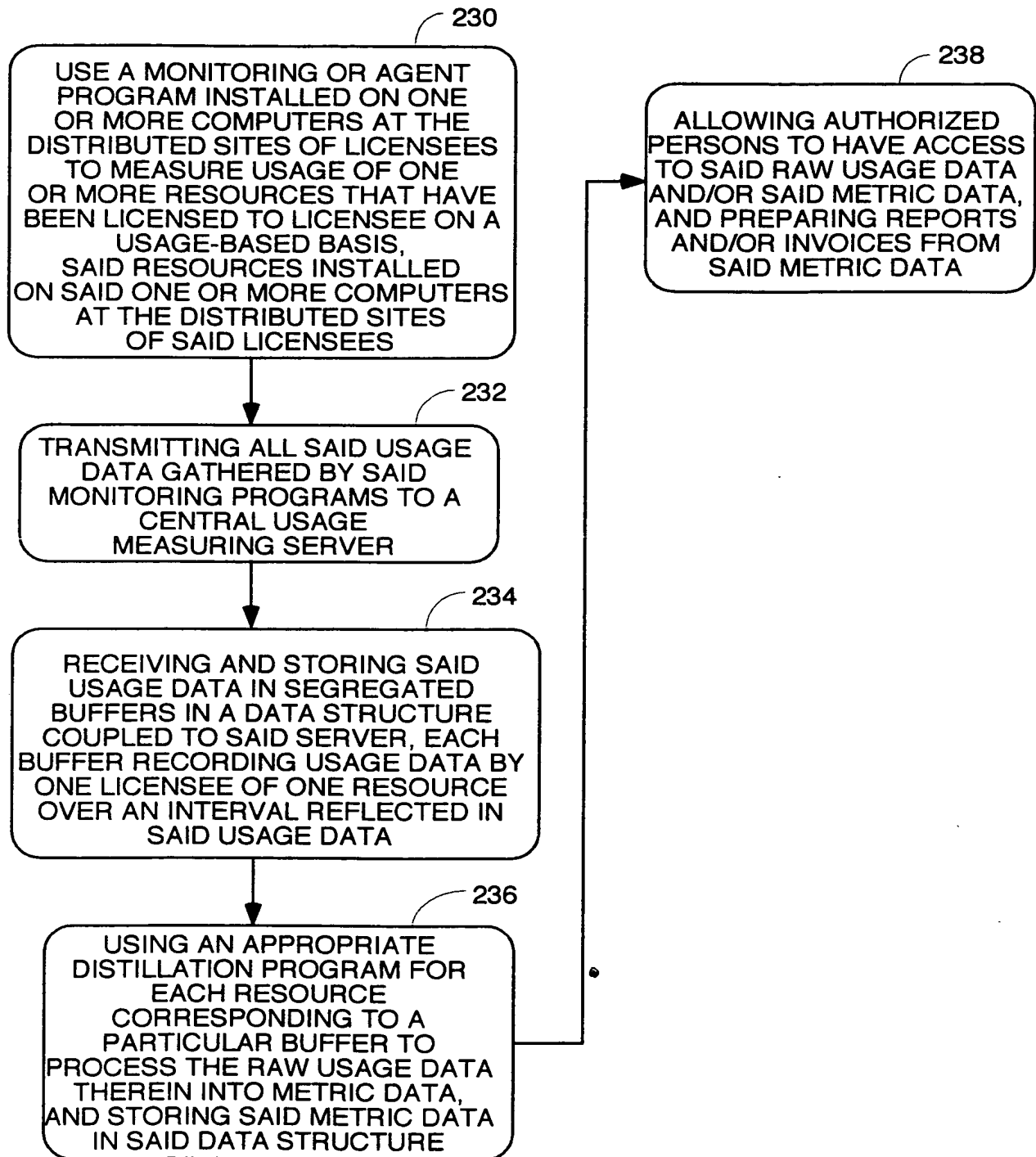


FIG. 8

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PROCESS TO BUILD USAGE MEASURING SERVER DATA STRUCTURE AND
ALLOW RESTRICTED ACCESS THERETO

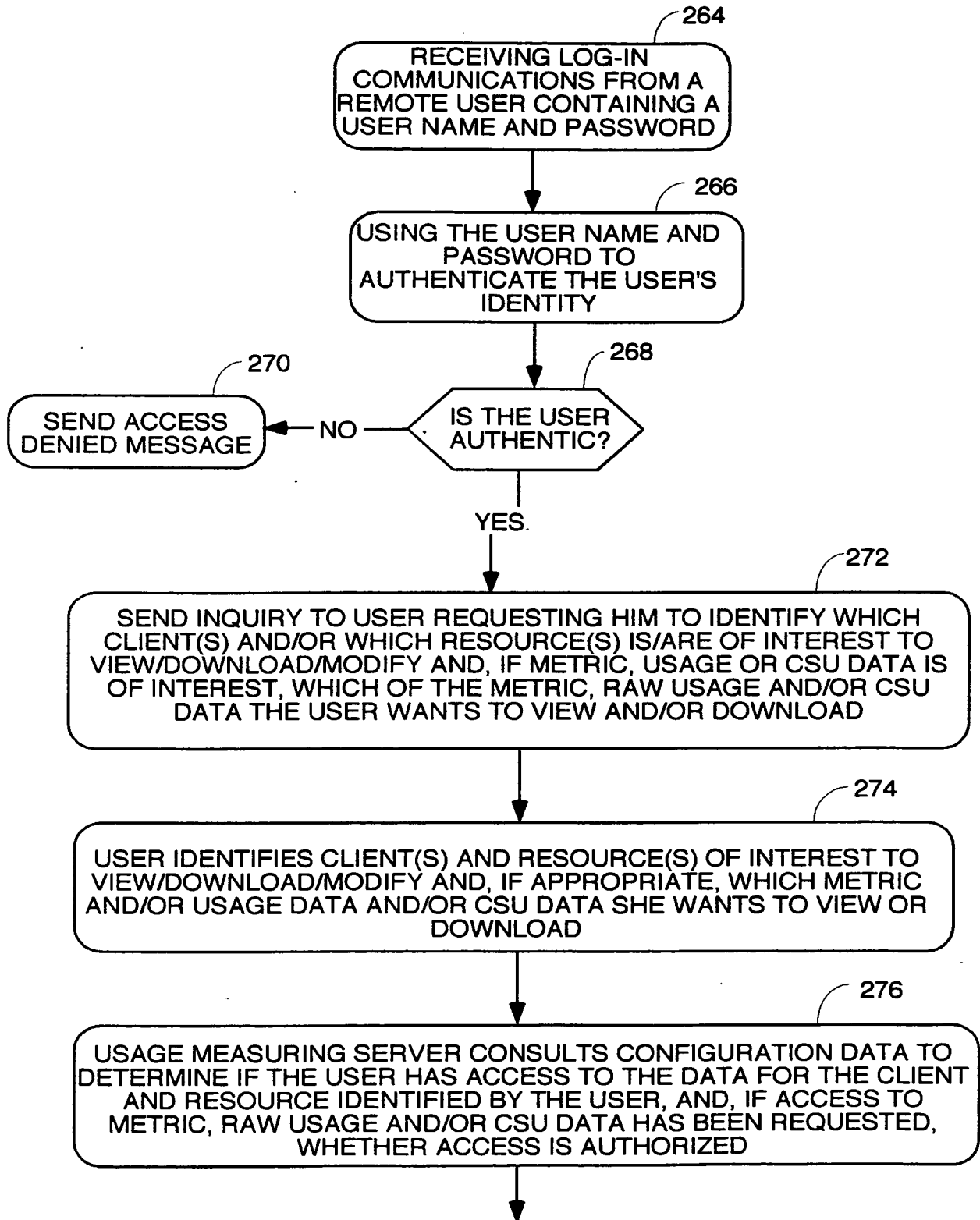


FIG. 9A

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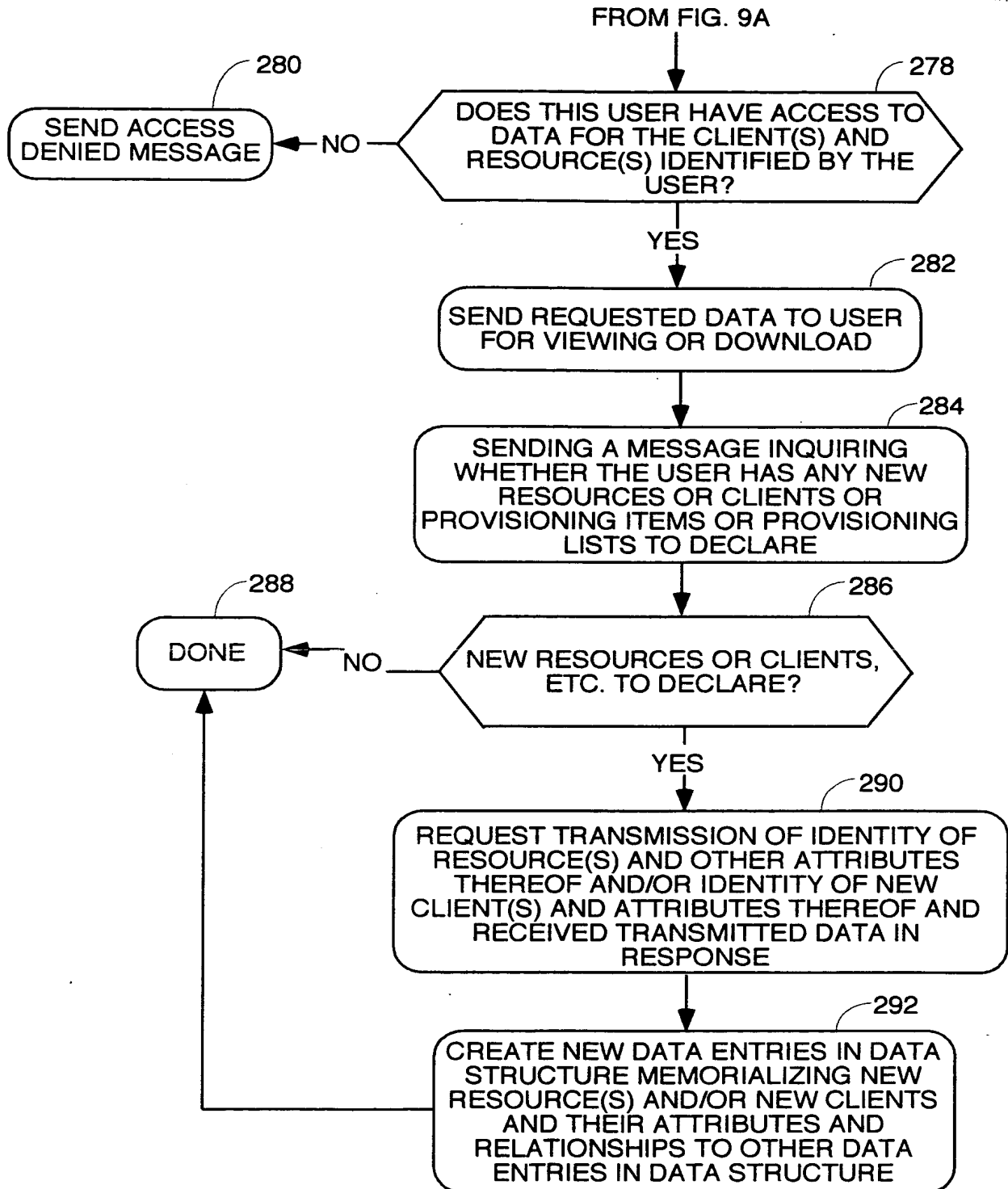
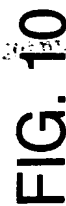


FIG. 9B



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ALTERNATIVE PROCESS TO PROGRAMMABLY DISTILL RAW USAGE DATA TO METRICS AND PROGRAMMABLY DISTILL THE METRICS INTO CENTRAL SERVICE UNITS USING A CSU DISTILLATION PROGRAM LINKED TO PROVISIONING ITEM DETAILING LICENSE TERMS

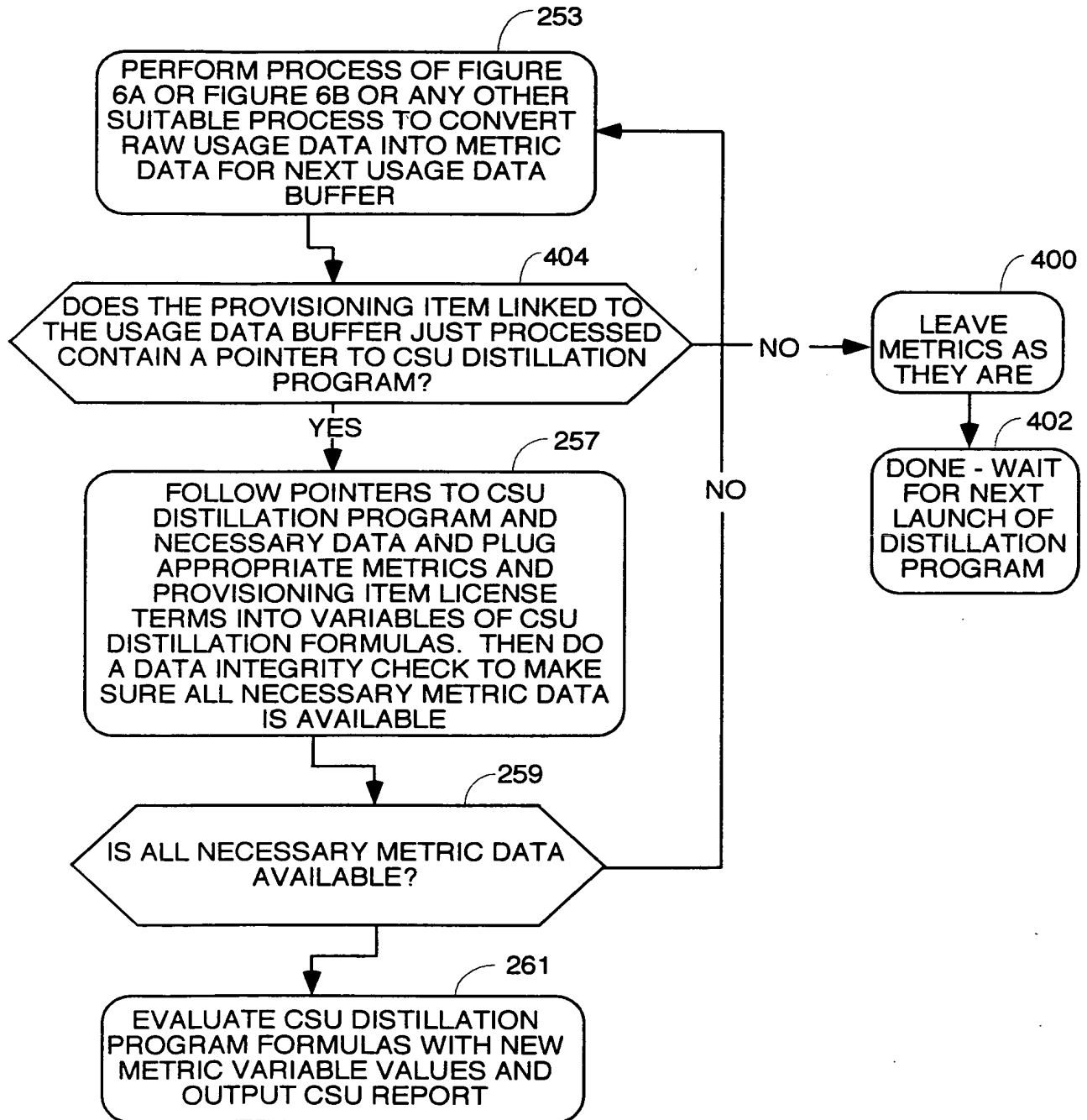


FIG. 11

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ALTERNATIVE PROCESS TO PROGRAMMABLY DISTILL RAW USAGE DATA TO METRICS AND PROGRAMMABLY DISTILL THE METRICS INTO CENTRAL SERVICE UNITS USING A CSU DISTILLATION PROGRAM LINKED TO THE USAGE DATA BUFFER OF EACH CLIENT THAT WANTS CSU BASED REPORTS

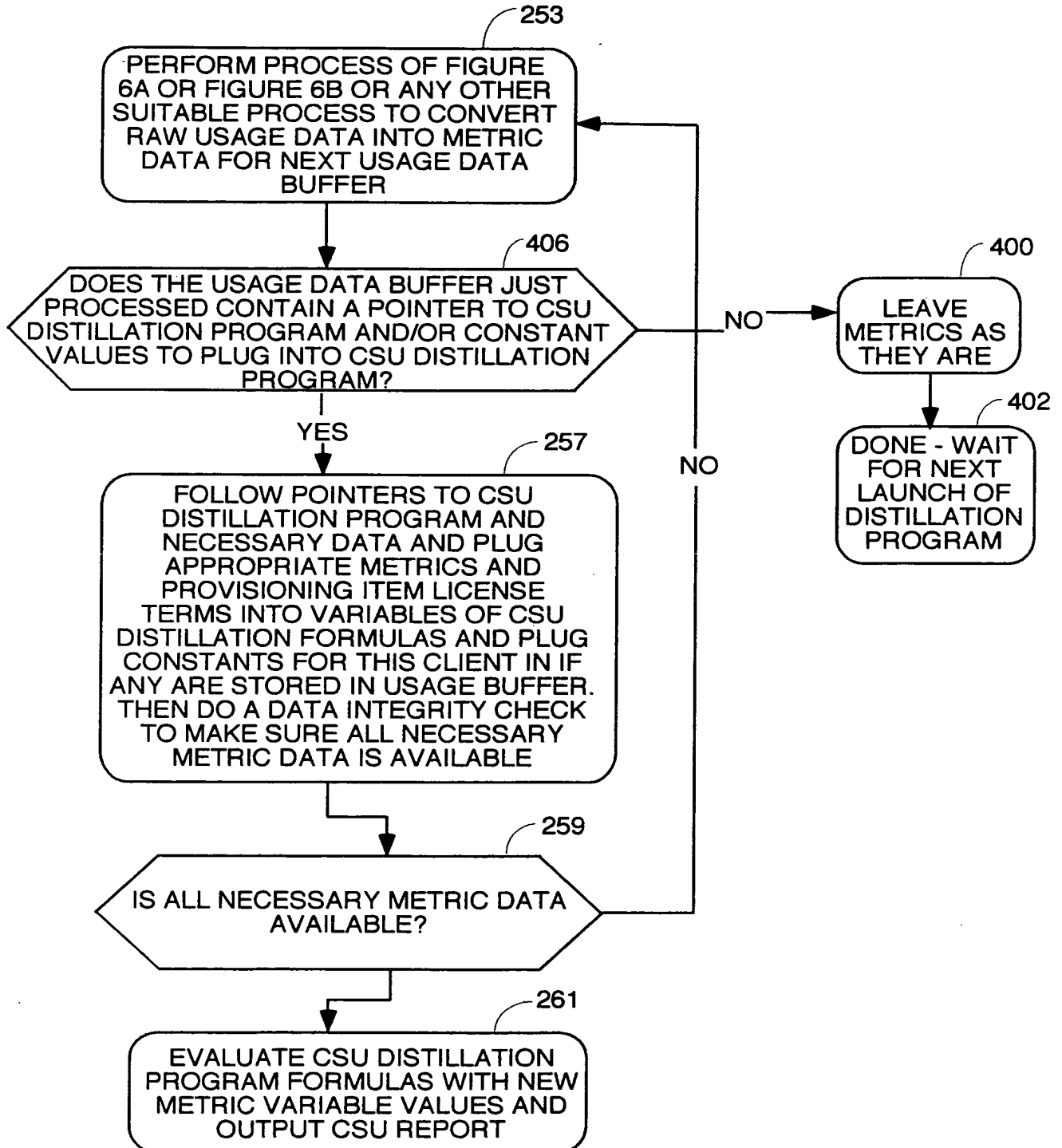


FIG. 12

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PROCESS TO CREATE DATA STRUCTURE TO SUPPORT SUITE LICENSING AND
TO USE THE DATA STRUCTURE TO IMPLEMENT SUITE LICENSING

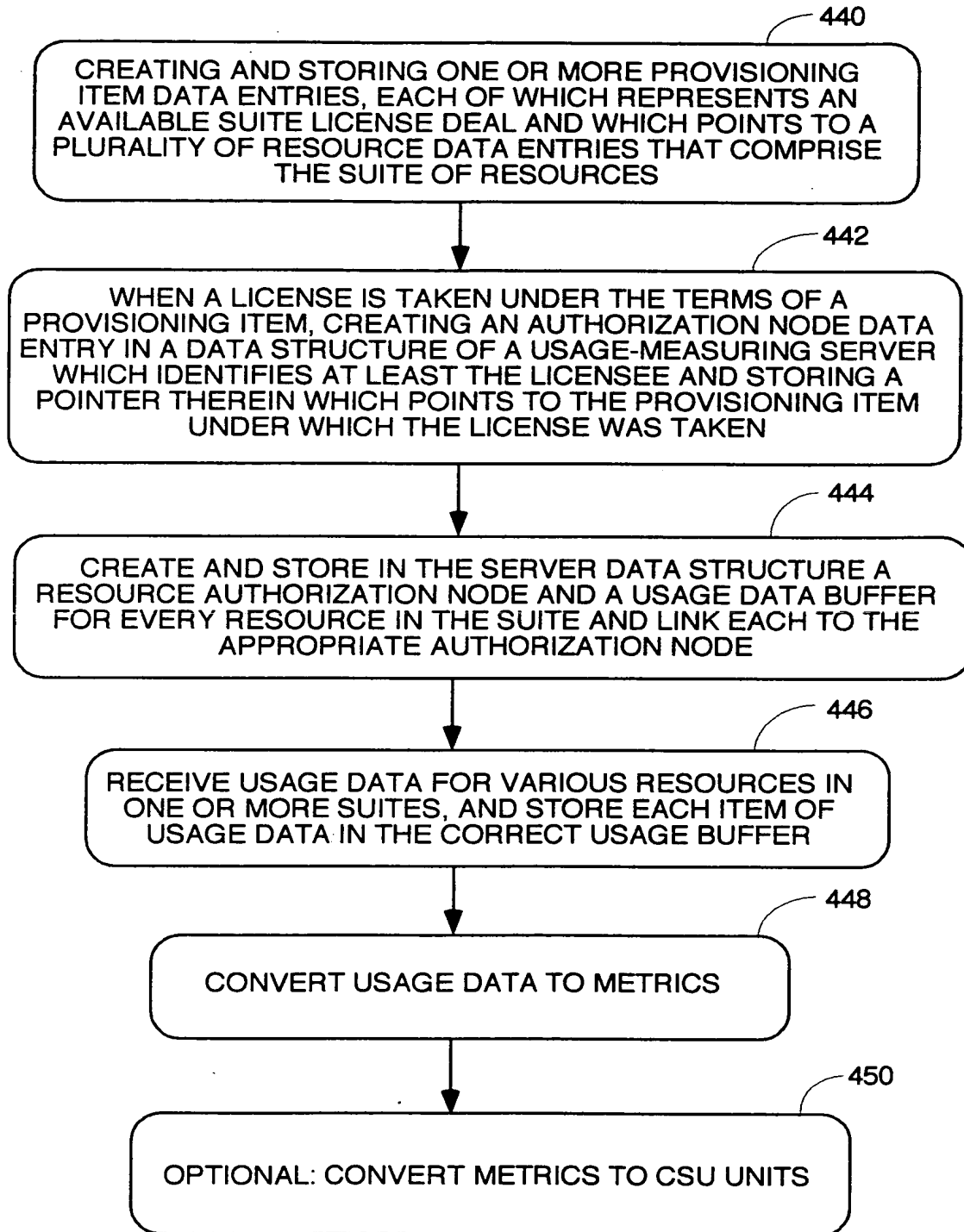


FIG. 13

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ONE STOP SHOPPING PROCESS TO DETERMINE ALL AVAILABLE LICENSE
DEALS ON A PARTICULAR RESOURCE

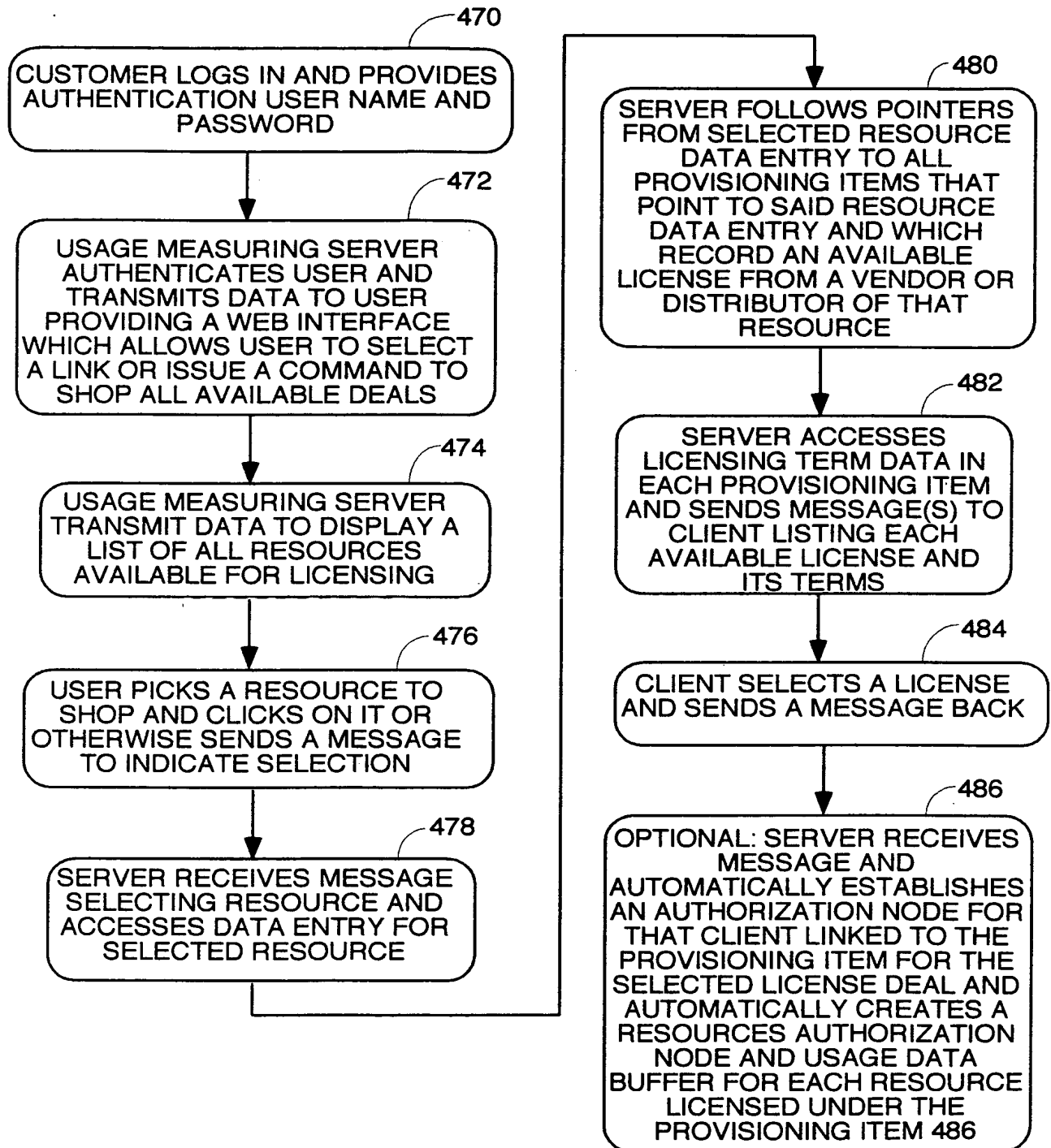


FIG. 14

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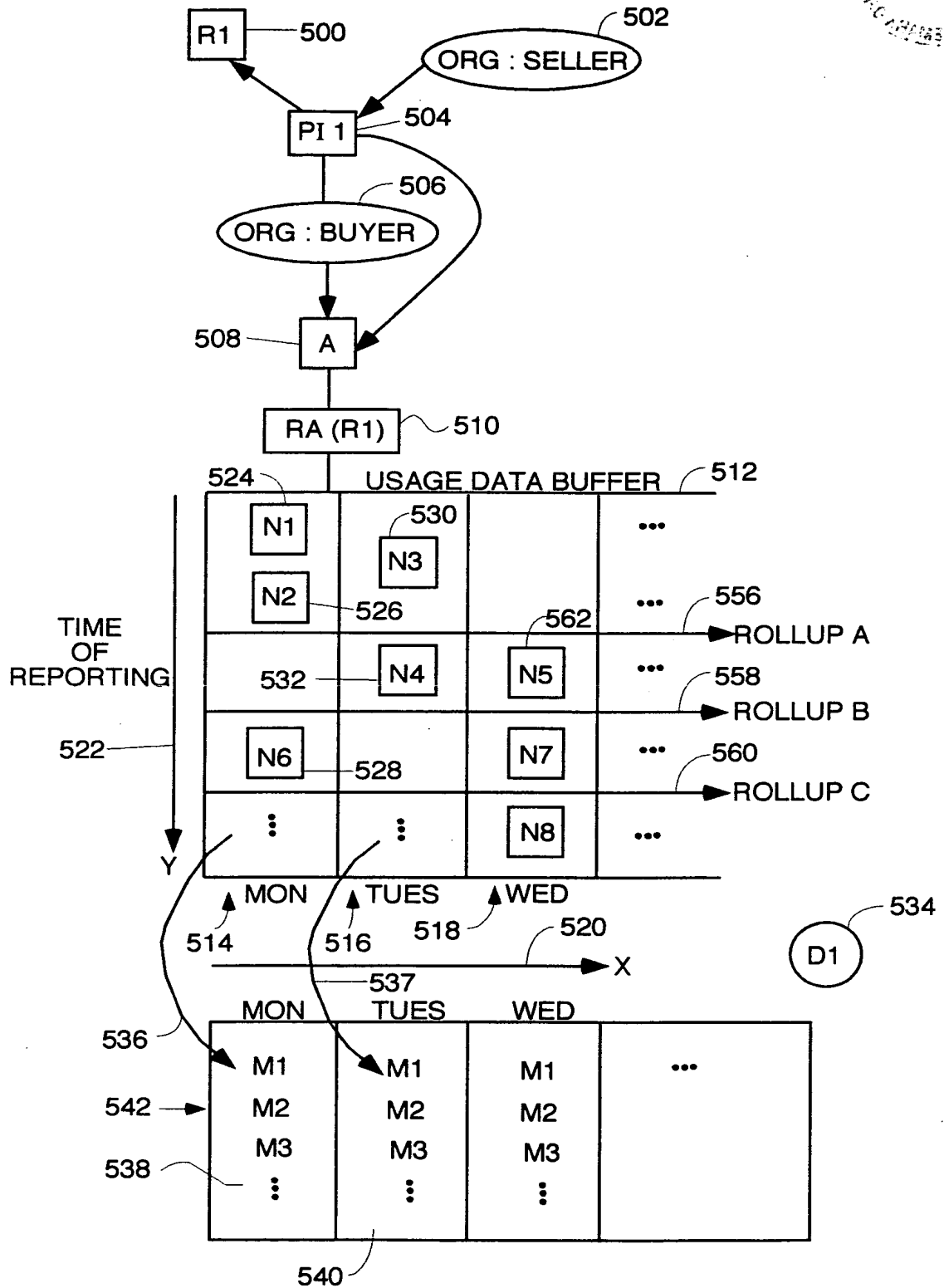


FIG. 15

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PROCESS TO COLLECT USAGE DATA, PARTITION IT INTO TIME SEGMENTS
AND GENERATE METRICS THEREFROM

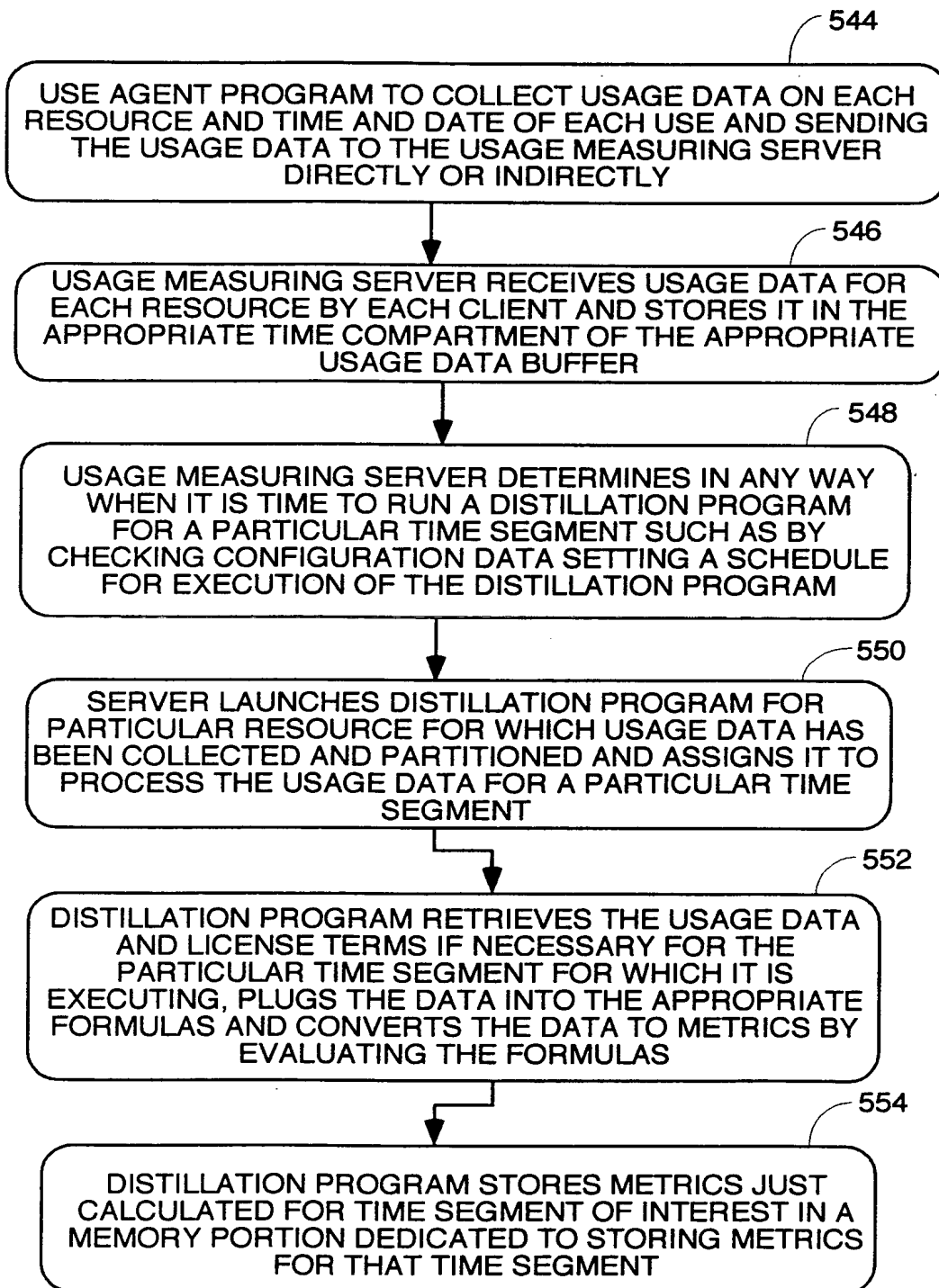


FIG. 16

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ROLLUP A ID 39

| | MON | TUES | WED | ... |
|-------------|-----|------|-----|-----|
| M1= CPU | 10 | 1 | 0 | ... |
| M2= DOCS | 500 | 50 | 0 | ... |
| M3= #PGS | 759 | 71 | 0 | ... |
| | : | : | : | |

FIG. 17

ALTERNATIVE
ROLLUP B ID 40

| MON | TUES | WED |
|-----|------|-----|
| 0 | 3 | 2 |
| 0 | 70 | 40 |
| 0 | 139 | 96 |

FIG. 18

PREFERRED ROLLUP B ID 50

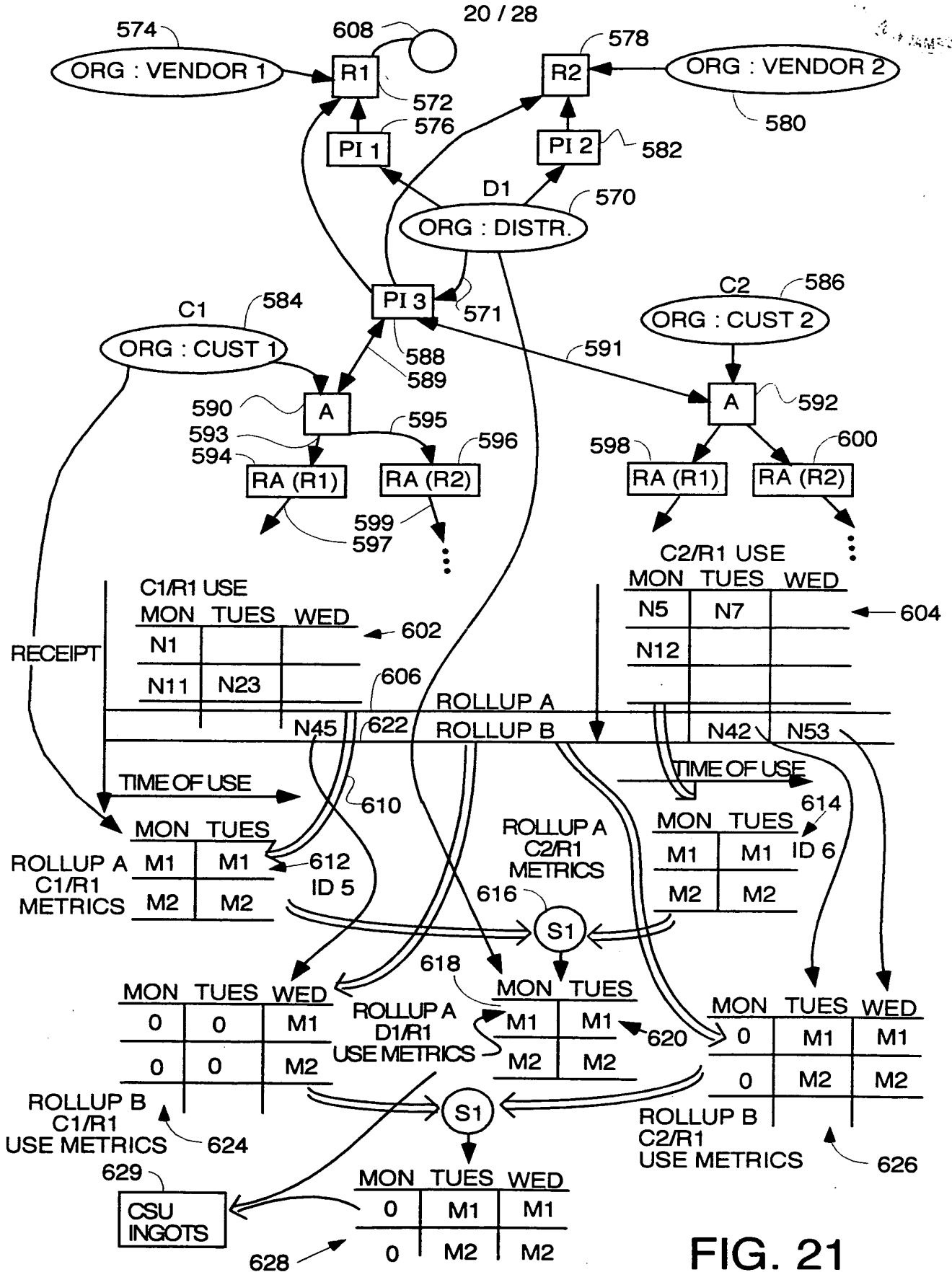
| MON | TUES | WED | |
|-----|------|-----|--|
| 10 | 4 | 2 | |
| 500 | 120 | 40 | |
| 759 | 210 | 96 | |

FIG. 19

ALTERNATIVE
ROLLUP B ID 40

| MON | TUES | WED |
|-----|------|-----|
| 0 | 4 | 2 |
| 0 | 120 | 40 |
| 0 | 210 | 96 |

FIG. 20



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PROCESS FOR ONE PROTOCOL ACCESS TO USAGE/METRIC/CSU DATA
FOR ALL LICENSEES OF A LICENSOR FROM A USAGE MEASURING SERVER

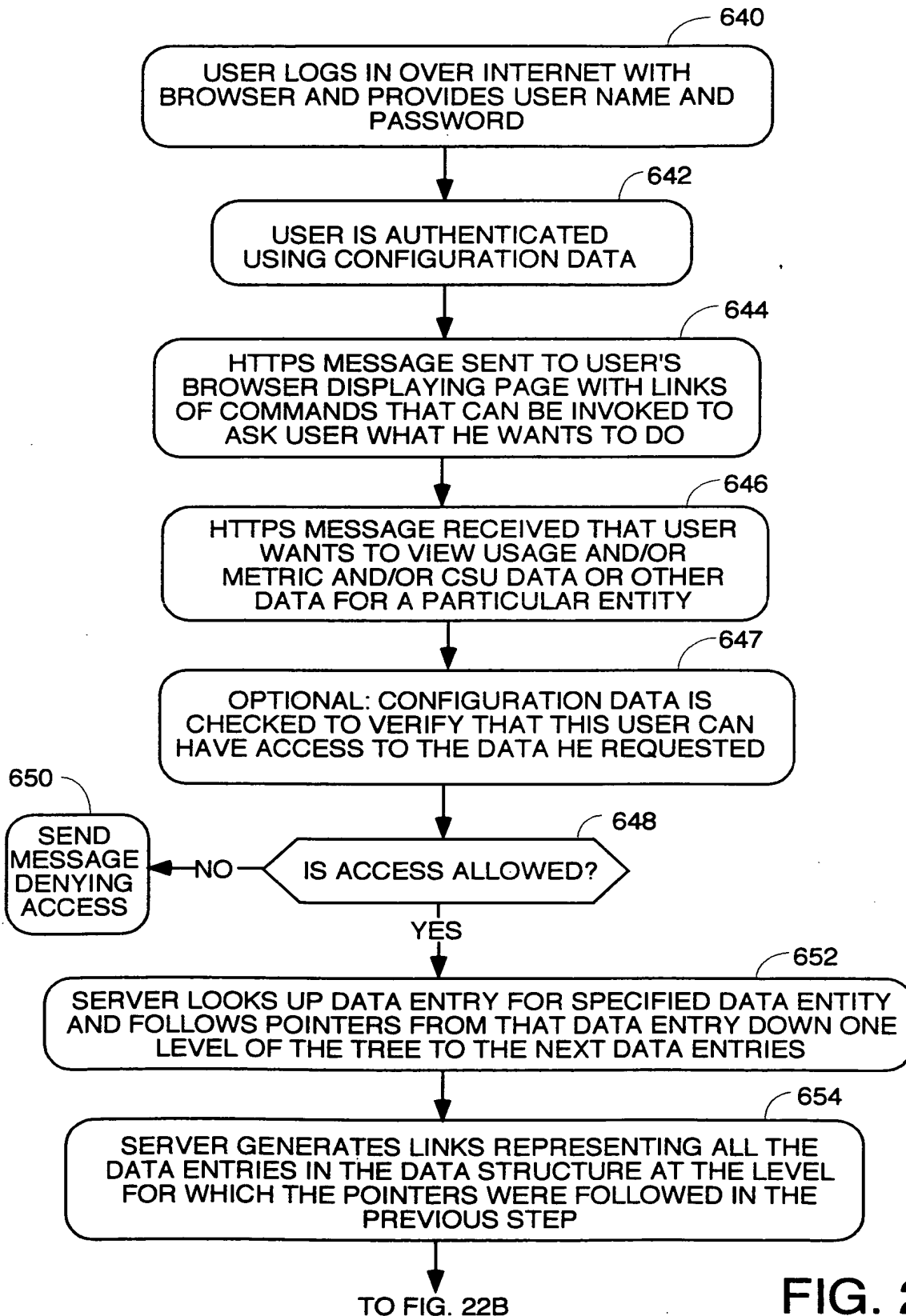


FIG. 22A

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FROM FIG. 22A

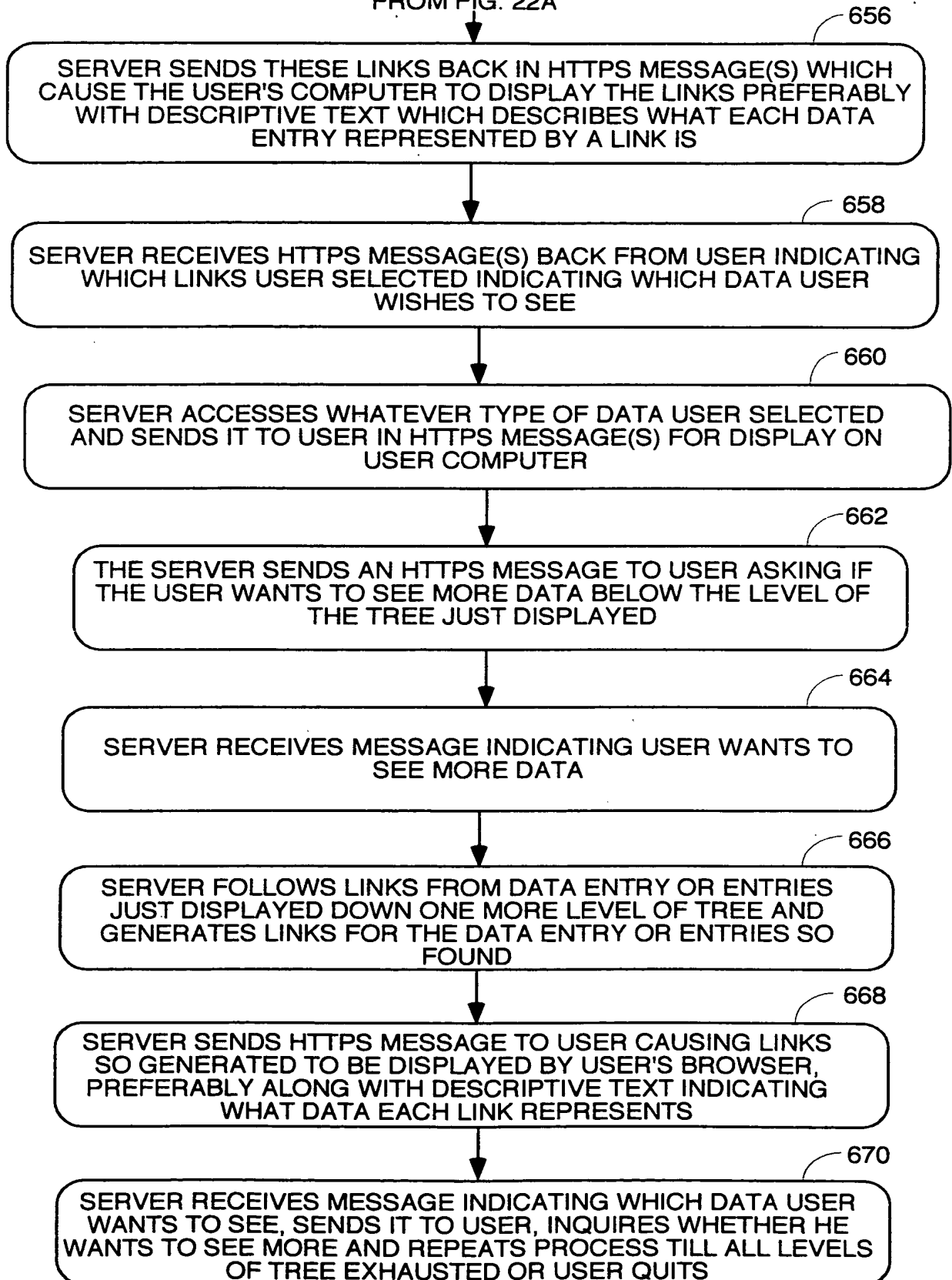
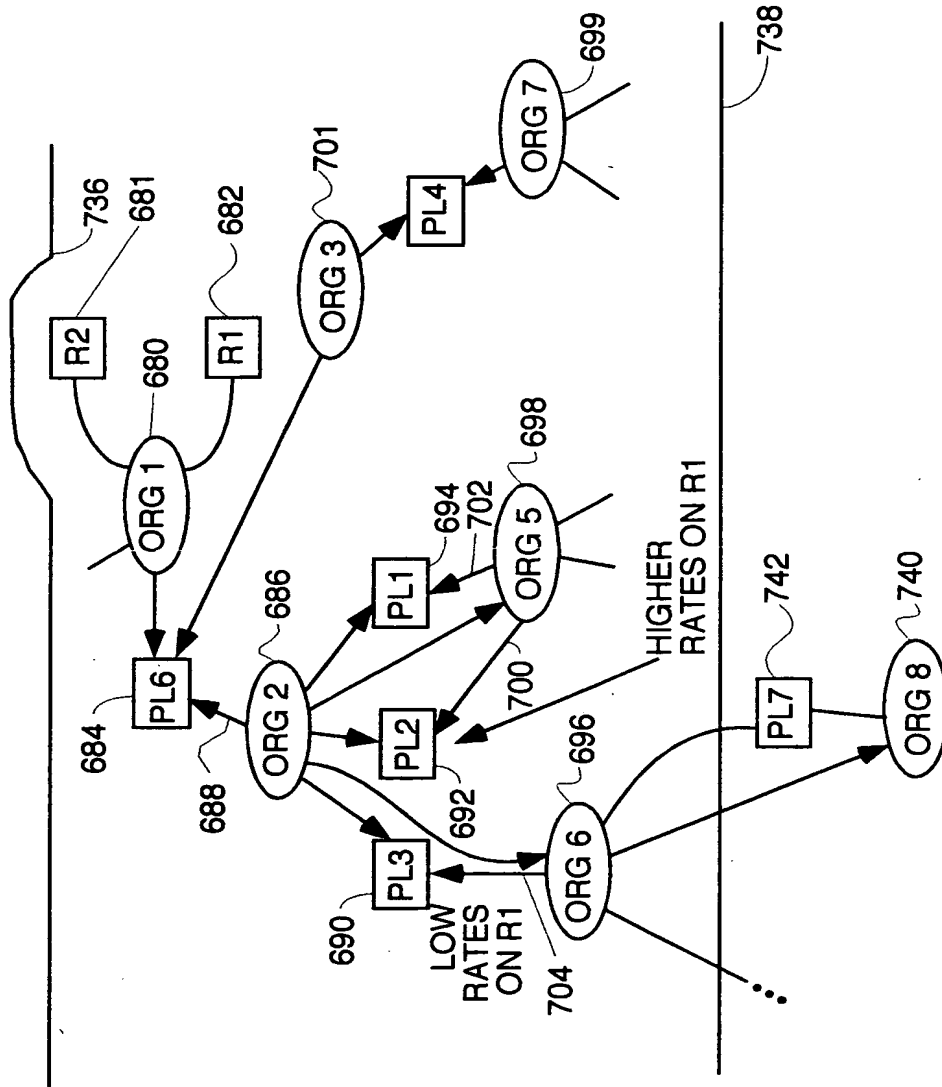


FIG. 22B



SECURITY BARRIERS
FIG. 23

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A PROCESS TO IMPLEMENT SECURITY BARRIERS TO PREVENT USERS FROM VIEWING DATA IN A USAGE MEASURING SERVER DATA STRUCTURE THAT THE USER NOT AUTHORIZED TO VIEW

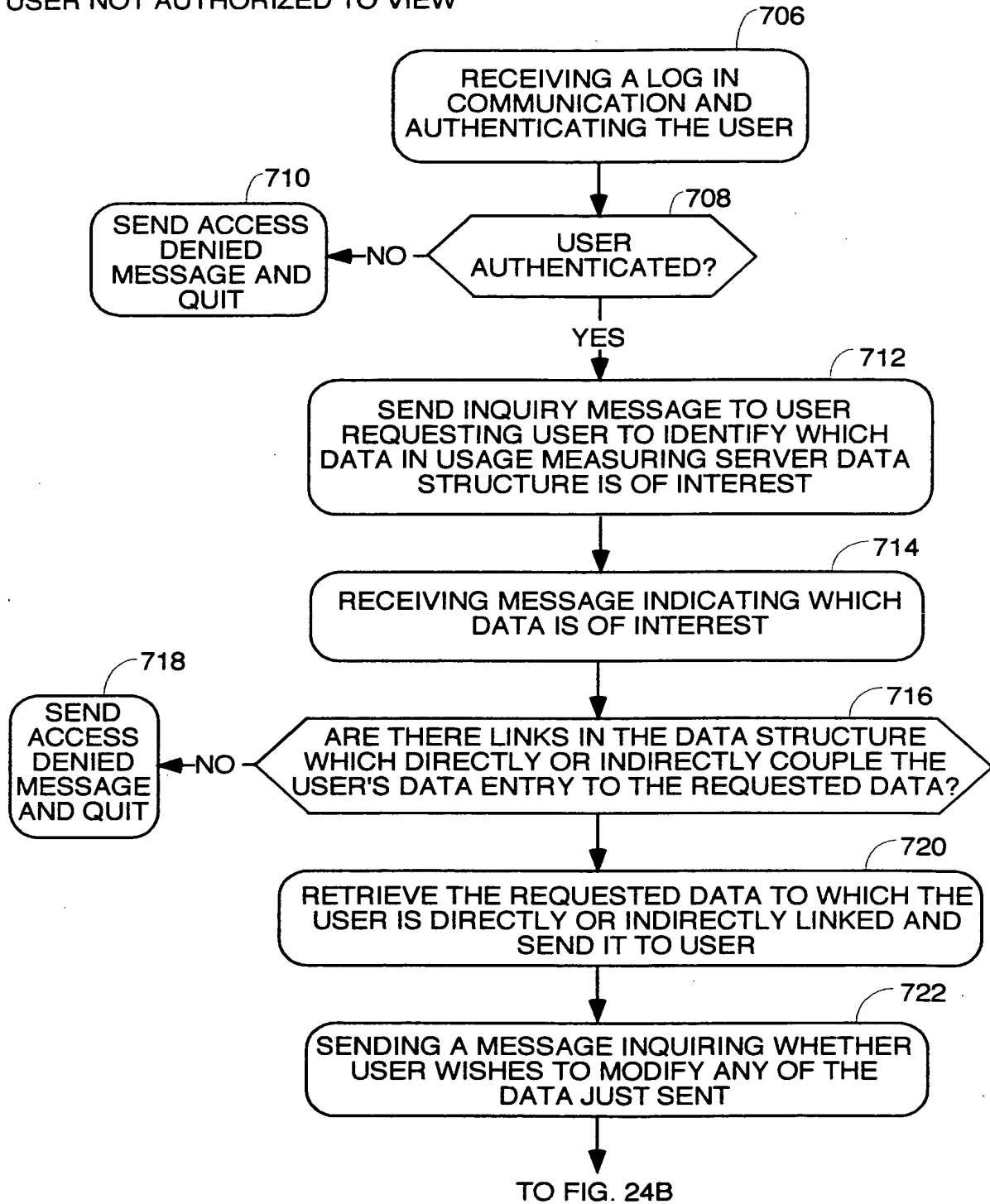


FIG. 24A

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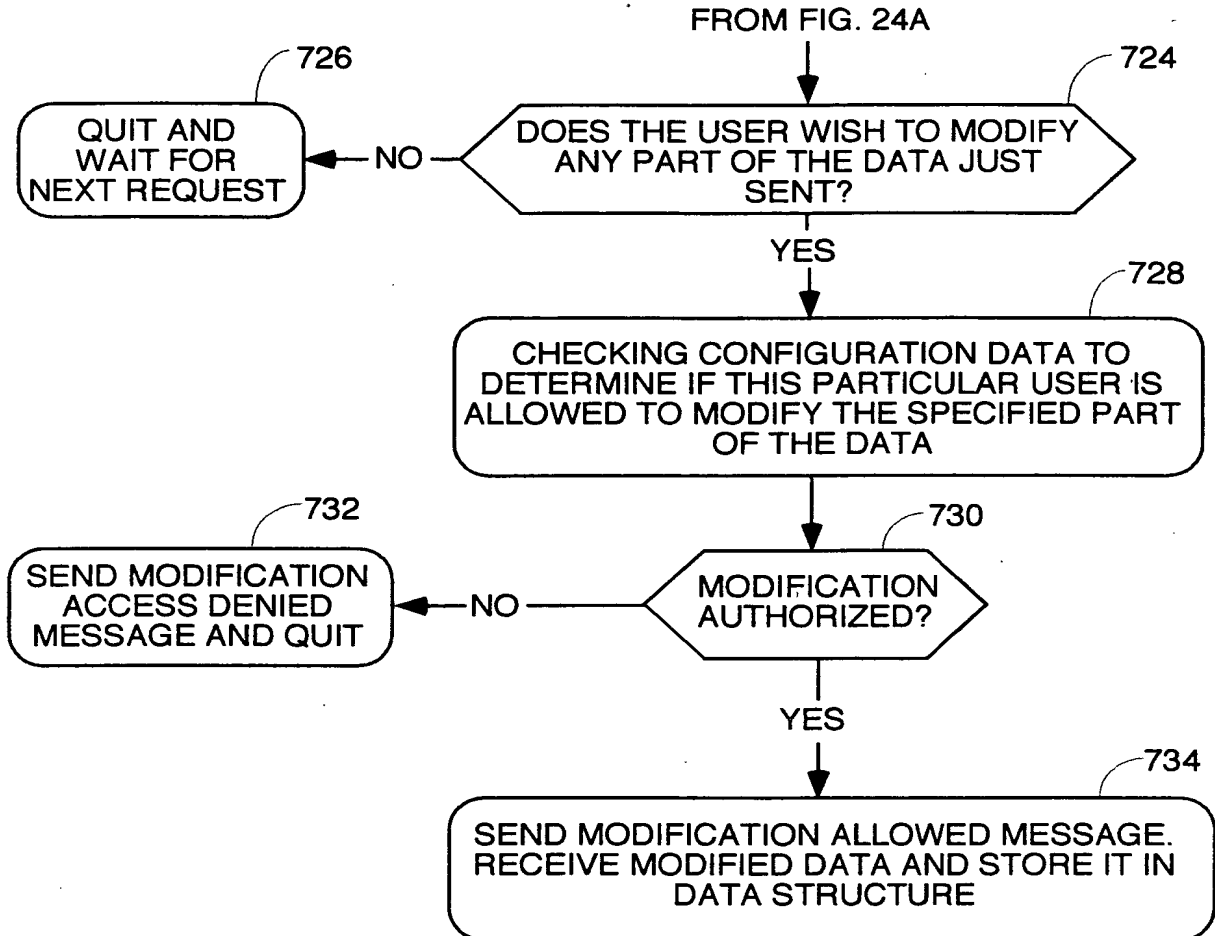


FIG. 24B

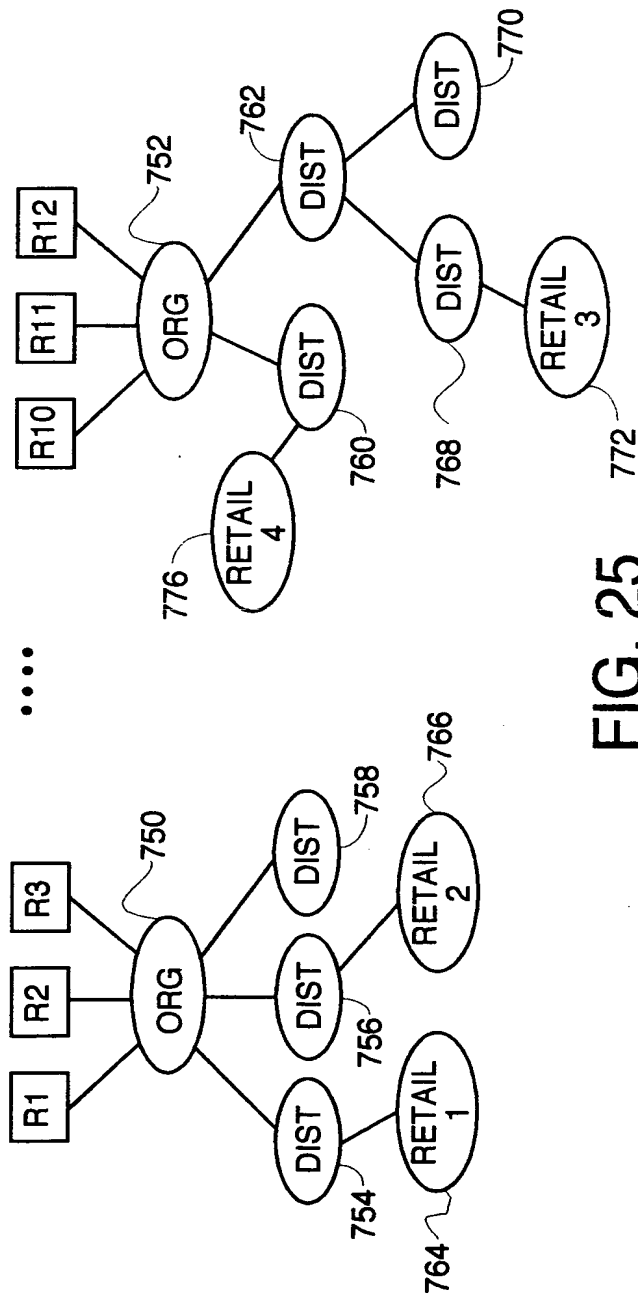


FIG. 25

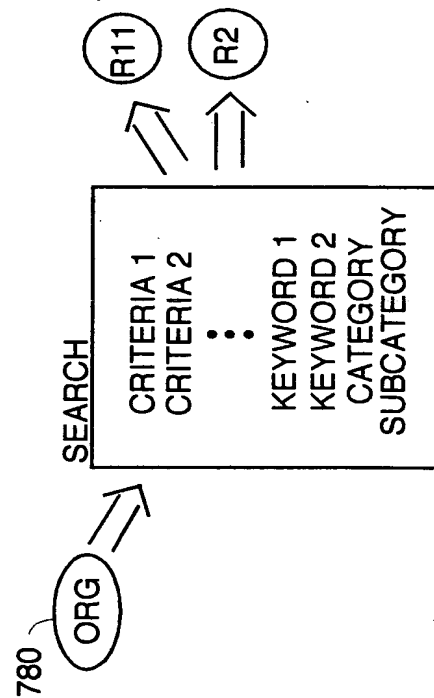
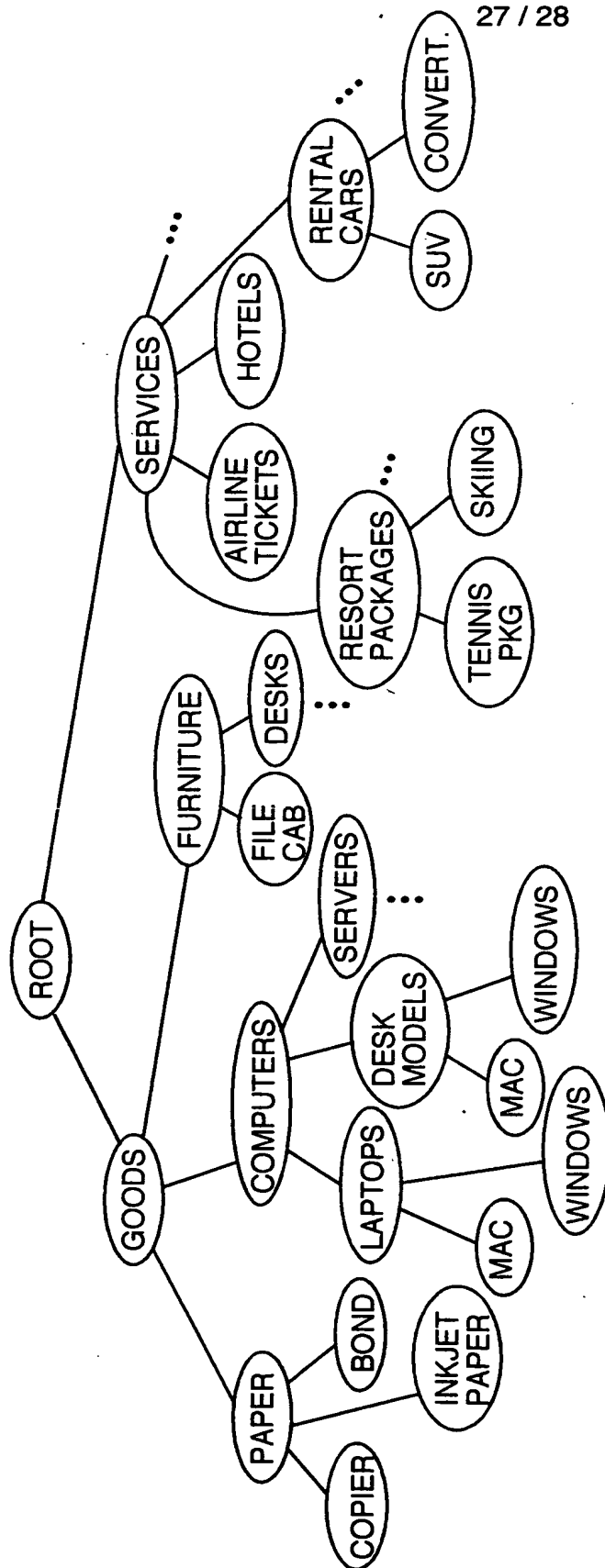


FIG. 26

TAXONOMY CATEGORIES



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FIG. 27

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SERVER PROCESSING TO IMPLEMENT ONE-STOP SHOPPING SEARCHING OF
THE DATA STRUCTURE BASED UPON USER-DEFINED CRITERIA

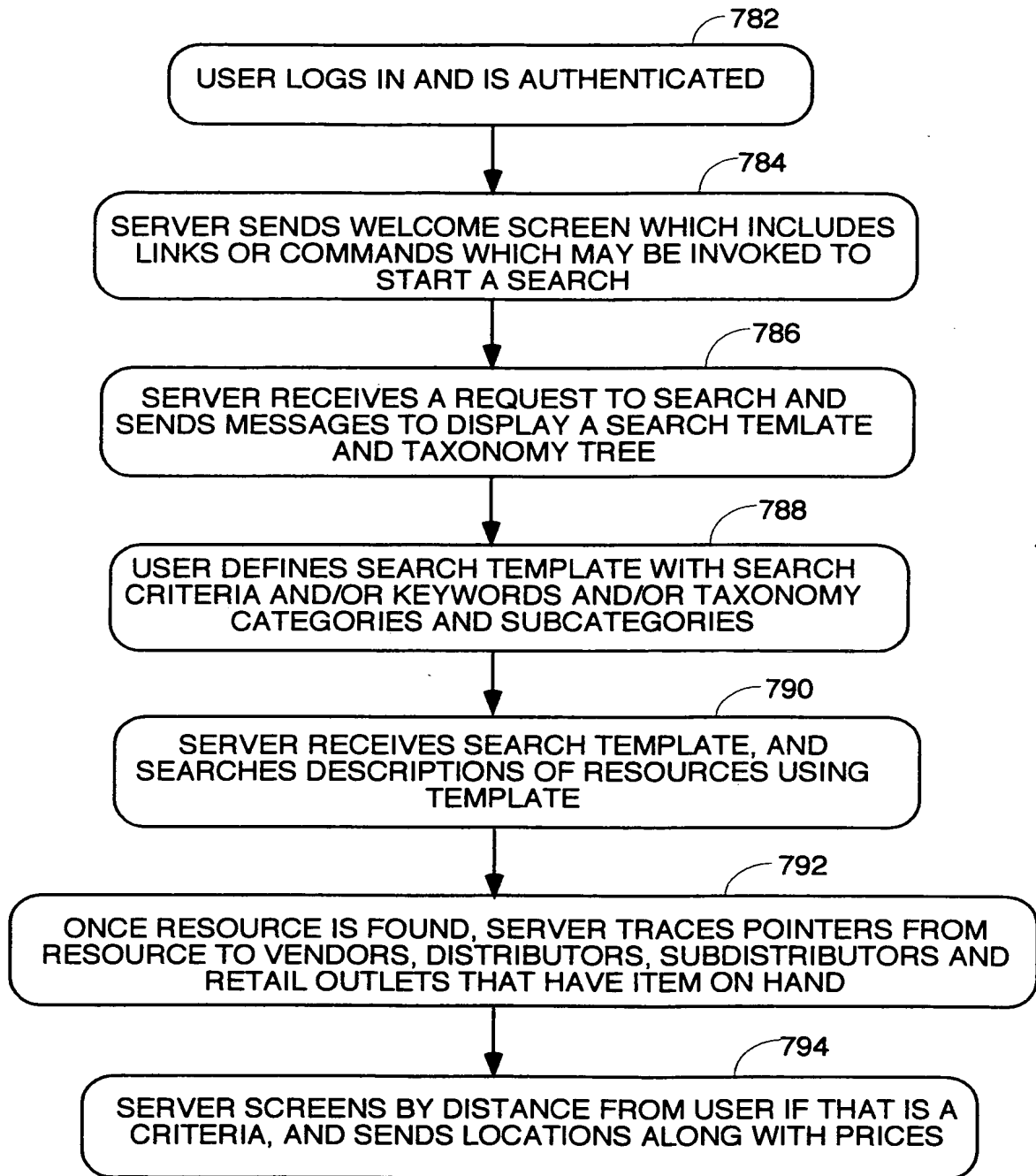


FIG.28